

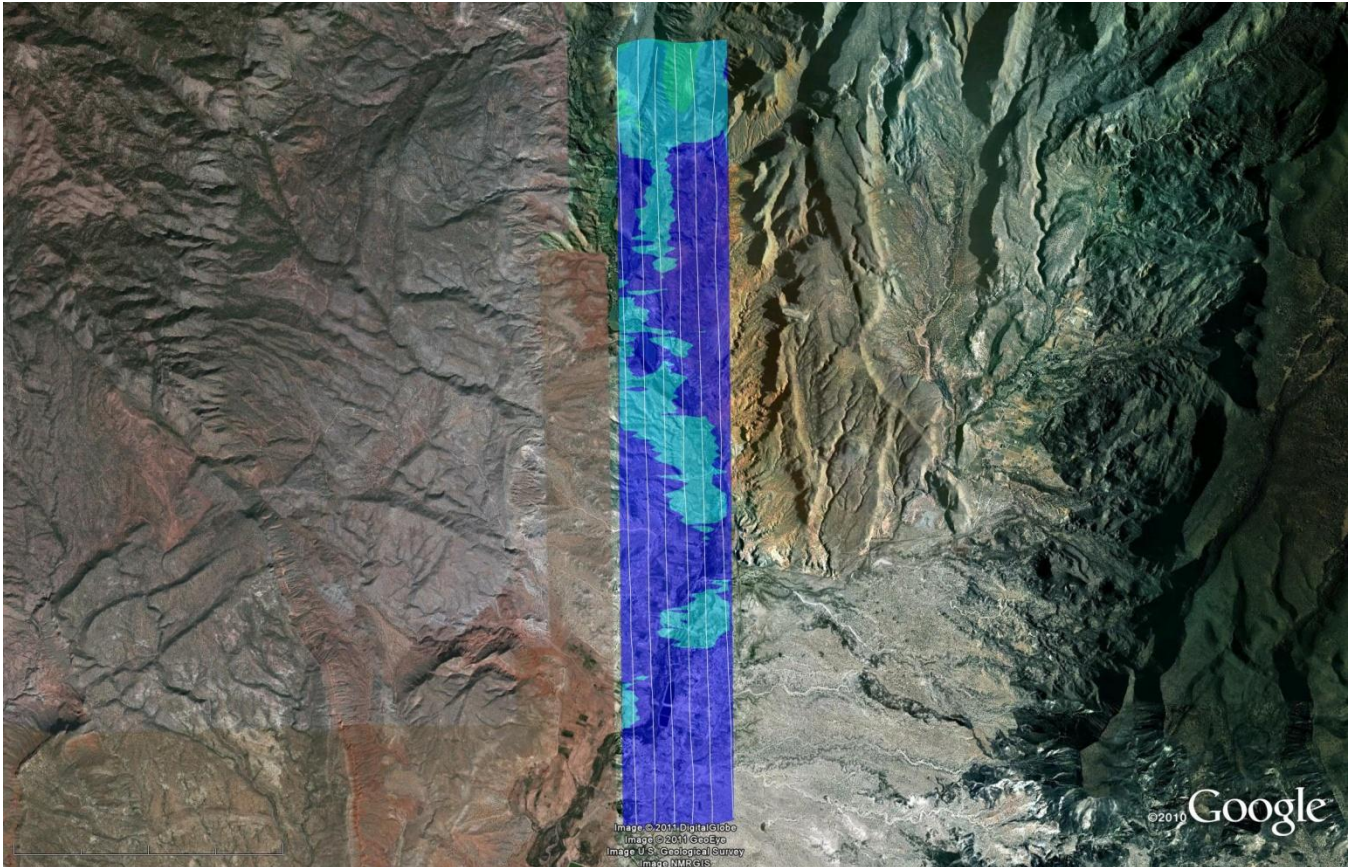
**Survey Areas**  
**July 2, 2011**





Image 1

**Jemez Pueblo Survey Area  
Exposure Rate Contour Map  
July 2, 2011**



Parameter Exposure Rate (uR/hr)	
< 5.0000	25.000 : 30.000
5.0000 : 10.000	30.000 : 35.000
10.000 : 15.000	35.000 : 40.000
15.000 : 20.000	40.000 : 45.000
20.000 : 25.000	> 45.000



ASPECT Program

**Flight Parameters**

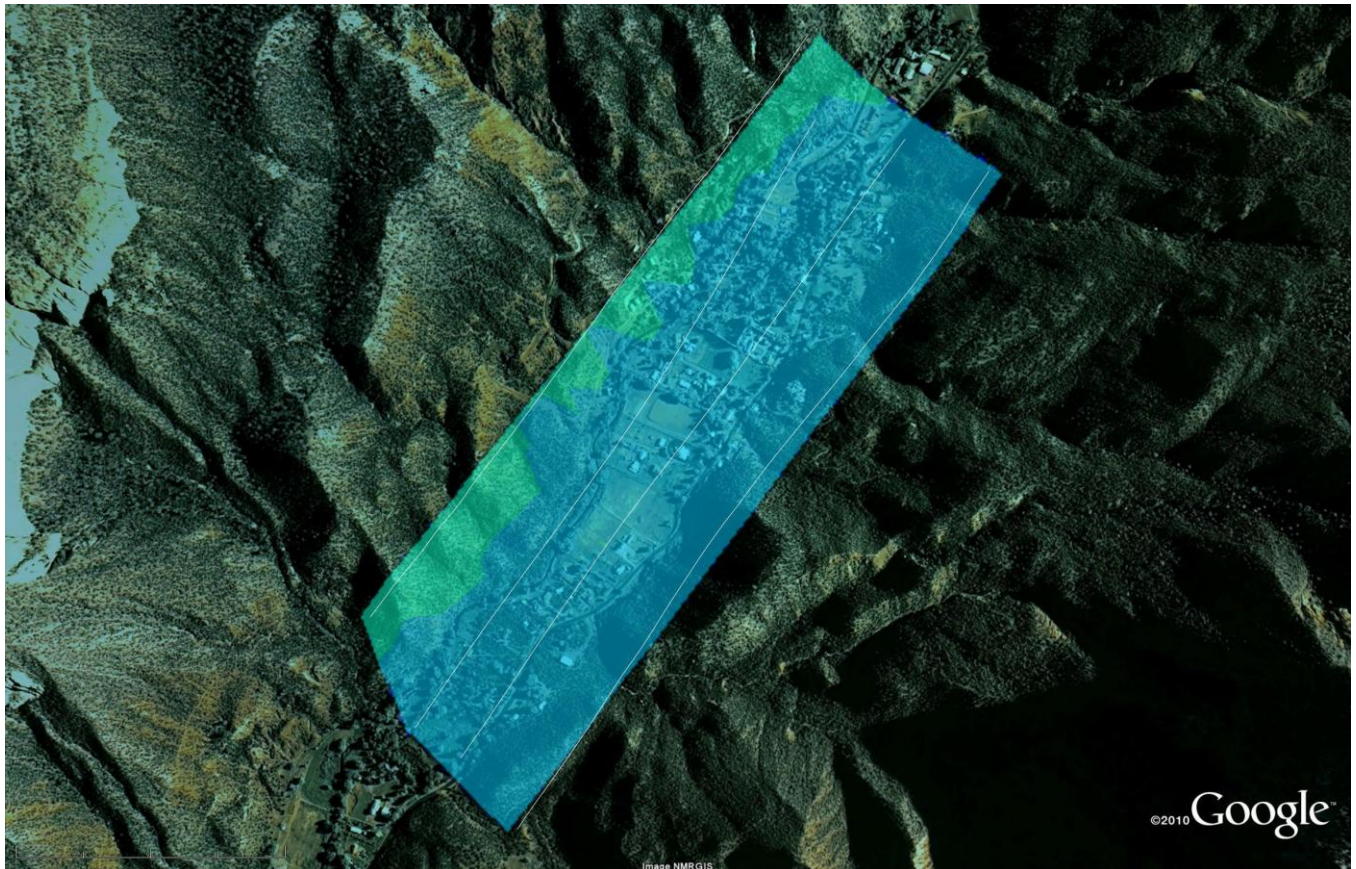
1000 ft altitude  
1000 ft line spacing  
110 knots  
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20  $\mu\text{R/hr}$ . The maximum exposure rate for this survey was 15  $\mu\text{R/hr}$ . This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.



Image 2

**Jemez Springs Survey Area  
Exposure Rate Contour Map  
July 2, 2011**



Parameter Exposure Rate (uR/hr)	
< 5.0000	25.000 : 30.000
5.0000 : 10.000	30.000 : 35.000
10.000 : 15.000	35.000 : 40.000
15.000 : 20.000	40.000 : 45.000
20.000 : 25.000	> 45.000



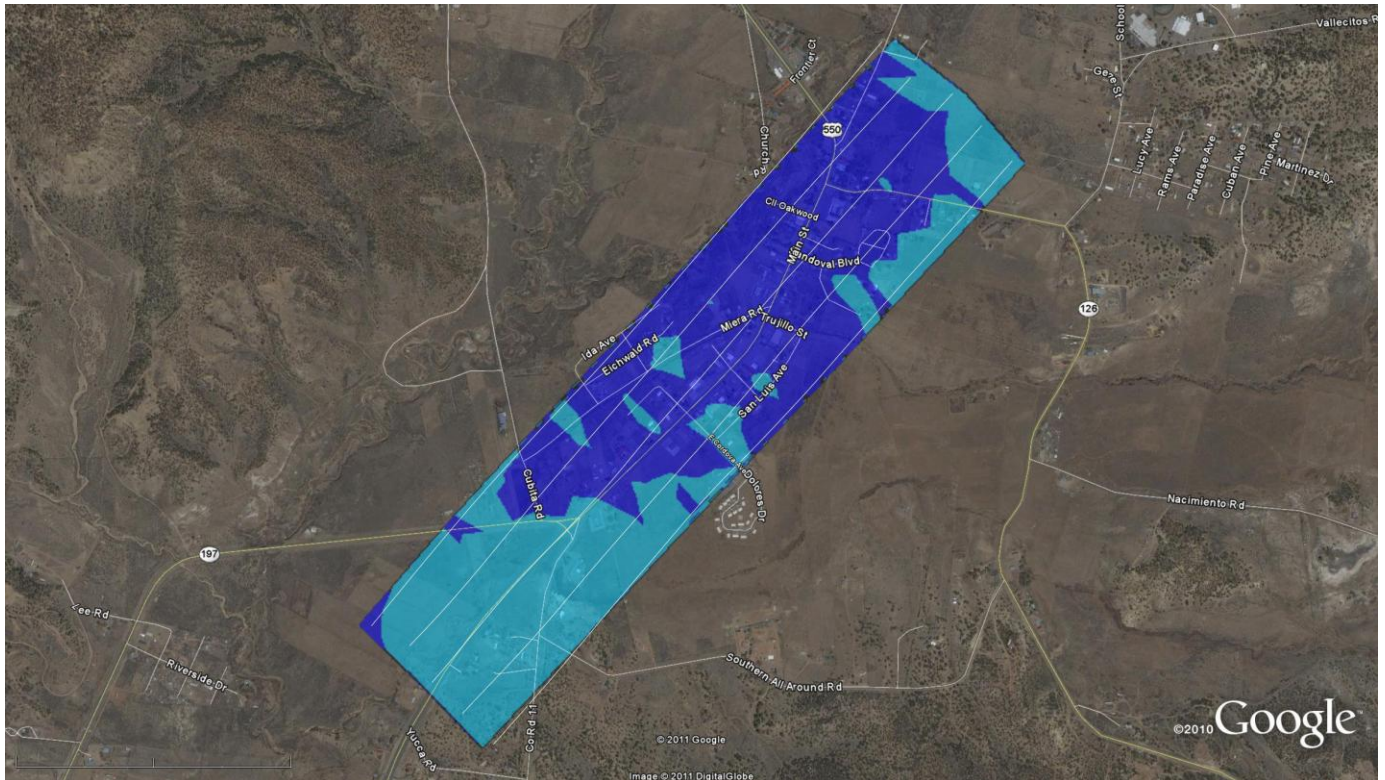
**Flight Parameters**











1000 ft altitude  
500 ft line spacing  
110 knots  
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20  $\mu\text{R/hr}$ . The maximum exposure rate for this survey was 13  $\mu\text{R/hr}$ . This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.

Image 3

**Cuba Survey Area  
Exposure Rate Contour Map  
July 2, 2011**



Parameter Exposure Rate (uR/hr)	
	< 5.0000
	5.0000 : 10.000
	10.000 : 15.000
	15.000 : 20.000
	20.000 : 25.000
	25.000 : 30.000
	30.000 : 35.000
	35.000 : 40.000
	40.000 : 45.000
	> 45.000



**Flight Parameters**

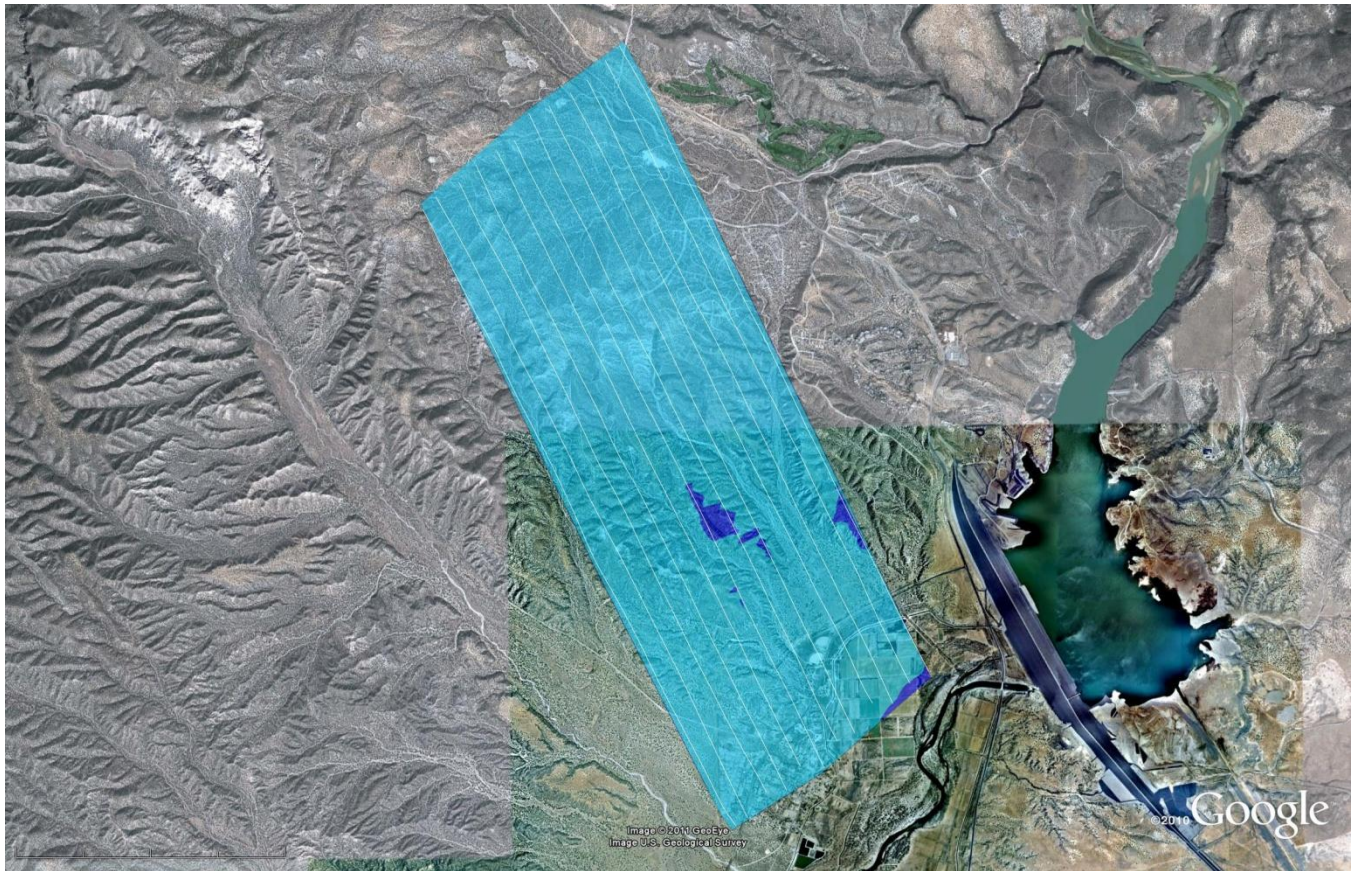
1000 ft altitude  
500 ft line spacing  
110 knots  
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20  $\mu\text{R/hr}$ . The maximum exposure rate for this survey was 6  $\mu\text{R/hr}$ . This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.



Image 4

**Cochiti Survey Area  
Exposure Rate Contour Map  
July 2, 2011**



Parameter Exposure Rate (uR/hr)	
< 5.0000	25.000 : 30.000
5.0000 : 10.000	30.000 : 35.000
10.000 : 15.000	35.000 : 40.000
15.000 : 20.000	40.000 : 45.000
20.000 : 25.000	> 45.000



**Flight Parameters**

1000 ft altitude  
750 ft line spacing  
110 knots  
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20  $\mu\text{R/hr}$ . The maximum exposure rate for this survey was 10  $\mu\text{R/hr}$ . This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.

## **Brief Discussion of Results**

### **Chemical**

*No chemical data were collected due to sensor-door malfunction.*

### **Radiological**

*No significant radiological detections over the following areas:*

1. Cuba
2. Jemez Pueblo
3. Jemez Springs
4. Cochita Pueblo

### **Photography**

*No aerial photographs were collected due to camera-door malfunction.*

### **Infrared Imaging**

*No infrared imaging data were collected due to sensor-door malfunction.*

### **General Observations**

1. Bland Area was not able to be surveyed due to air traffic control, active fires, and heavy smoke conditions.
2. Medium to heavy smoke conditions existed at every survey location.

***ASPECT Team is demobilizing today.***